

Let's shape the future with upcycling

BASF's fiber bonding technology
enabling circularity



 **BASF**

We create chemistry

Table

Giving sustainability a place at the table

Along with our partner 21upcycling GmbH, we developed a process to upcycle coffee grounds or spent grain from beer production by pressing them into solid furniture parts.

Helping things take shape

BASF's binder acForm® enables the boards to be embossed or molded into various shapes. The waterbased binder does not contain isocyanates nor added formaldehyde enabling a safer workplace.

Protection through reduction

Upcycling coffee grounds and spent grain can help save CO₂ by extending their life cycle and preventing their incineration. Furthermore, by using the reclaimed materials instead of fresh wood in the production of panels reduces the pressure we place on our forests.



➤ Contact

BASF SE
Marketing Fiber Bonding EMEA
E-EDE/KF - H201, 67056 Ludwigshafen / Germany
fiber-bonding@basf.com

Facts Table

Materials

- spent coffee grounds

Binder

- acForm® Power 2889

Applications

- furniture, shopfitting

Cooperation partner

- 21upcycling GmbH

Potential savings

- wood-based products or other conventional non-wood products



Table made with coffee grounds and acForm®



Water-based and sustainable at heart. BASF's dispersion- and water-based binders are also available as a biomass-balanced product.

Fiberbonding technology for sustainable upcycling

Process and exemplary materials

- 1 Waste
- 2 Shredding
- 3 Impregnation
- 4 Molding / Forming
- 5 Board
- 6 New Product

